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NOTICE OF ALLOWANCE AND FEE(S) DUE

21839

7590

08/14/2009

BUCHANAN, INGERSOLL & ROONEY PC POST OFFICE BOX 1404 ALEXANDRIA, VA 22313-1404 EXAMINER

KRISHNAN, GANAPATHY

ART UNIT PAPER NUMBER

1623

DATE MAILED: 08/14/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/518.640	12/20/2004	Masayuki Furuya	1034232-000029	2846

TITLE OF INVENTION: PROCESS FOR PRODUCING GLYCOSIDE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	11/16/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

appropriate. All further correspondence including the Patent, advance indicated unless corrected below or directed otherwise in Block 1, b maintenance fee notifications. CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) 21839 7590 08/14/2009 BUCHANAN, INGERSOLL & ROONEY PC POST OFFICE BOX 1404 ALEXANDRIA, VA 22313-1404			Not Fee pap	e: A certificate of mai (s) Transmittal. This ce ers. Each additional pa	ling can only be used fo	r domestic mailings of the or any other accompanying nt or formal drawing, must
			I he Stat add	Certifice reby certify that this Fites Postal Service with ressed to the Mail St	ate of Mailing or Trans	g deposited with the United st class mail in an envelope above, or being facsimile
						(Depositor's name)
			_			(Signature)
			L			(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	AT	TORNEY DOCKET NO.	CONFIRMATION NO.
10/518,640 TITLE OF INVENTION	12/20/2004 T: PROCESS FOR PROE	DUCING GLYCOSIDE	Masayuki Furuya		1034232-000029	2846
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nonprovisional	NO	\$1510	\$300	\$0	\$1810	11/16/2009
EXAM	IINER	ART UNIT	CLASS-SUBCLASS]		
KRISHNAN, O	GANAPATHY	1623	536-018600	-		
"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Unl	ondence address (or Cha 3/122) attached. ication (or "Fee Address') 2 or more recent) attach ND RESIDENCE DATA less an assignee is identih in 37 CFR 3.11. Comp	nge of Correspondence 'Indication form ed. Use of a Customer A TO BE PRINTED ON 'ified below, no assignee	registered attorney or agent) and the names of up to			
Please check the appropr 4a. The following fee(s): Issue Fee Publication Fee (N	iate assignee category or	4l permitted)	b. Payment of Fee(s): (Ple: A check is enclosed. Payment by credit can The Director is hereby	Individual Corpo	ration or other private gro reviously paid issue fee a attached. the required fee(s), any de	
NOTE: The Issue Fee an	s SMALL ENTITY statu	us. See 37 CFR 1.27.	b. Applicant is no lon			FR 1.27(g)(2). The assignee or other party in
·		tes Patent and Trademark		Date		
Typed or printed name						
This collection of inform an application. Confiden submitting the complete this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	tiality is governed by 35 d application form to the ions for reducing this but 7 riginia 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to th ONOT SEND FEES OR	on is required to obtain or 1.14. This collection is es depending upon the indiversity of the complete of the	retain a benefit by the p timated to take 12 mint vidual case. Any comm er, U.S. Patent and Tra O THIS ADDRESS. SI	ublic which is to file (and ttes to complete, including ents on the amount of tindemark Office, U.S. Depa END TO: Commissioner	by the USPTO to process) g gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

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10/518,640	12/20/2004	Masayuki Furuya	1034232-000029	2846	
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POST OFFICE BO		ART UNIT	PAPER NUMBER		
ALEXANDRIA, V	'A 22313-1404		1623		
			DATE MAILED: 08/14/2009		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 536 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 536 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)			
	10/518,640	FURUYA ET AL.			
Notice of Allowability	Examiner	Art Unit			
	Ganapathy Krishnan	1623			
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject t	plication. If not included n will be mailed in due course. THIS			
1. This communication is responsive to 7/10/2009.					
2. The allowed claim(s) is/are 1 and 21-23.					
 3. ☐ Acknowledgment is made of a claim for foreign priority ur a) ☐ All b) ☐ Some* c) ☐ None of the: 					
 Certified copies of the priority documents have 	e been received.				
2. Certified copies of the priority documents have	been received in Application No	·			
3. Copies of the certified copies of the priority do	cuments have been received in this	national stage application from the			
International Bureau (PCT Rule 17.2(a)).					
* Certified copies not received:					
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements			
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give					
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.				
(a) ☐ including changes required by the Notice of Draftspers		-948) attached			
1) ☐ hereto or 2) ☐ to Paper No./Mail Date	•				
, — , —		Office action of			
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date					
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).					
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.					
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal F	Patent Application			
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	<u> </u>				
2. Involice of Draniperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary Paper No./Mail Da	te .			
3. Information Disclosure Statements (PTO/SB/08),	7. Examiner's Amend	ment/Comment			
Paper No./Mail Date 4.	8. ⊠ Examiner's Statem	ent of Reasons for Allowance			
2.5.5g.555.161	9.				
/Patrick T. Lewis/					
Primary Examiner, Art Unit 1623					

The following is an examiner's statement of reasons for allowance:

1. The closest prior art of record, Toshiyuki et al (JP 62-263194 English Translation)

teaches the monoglycosylation of a phenol using pentaacetylglucose. The formation of only a

monoglycosylated product is taught. The starting material is a diphenol and not an alkyl gallate

as instantly recited. There is no teaching of the formation of a diglycosylated product as required

in instant formula (3) (in instant formula 3 any two of the substituents R2, R3, R4 has a glucose

pentaacetate moiety) or suggestion for making the same.

2. Prior art of record, Yujiro et al (JP 2000-319116 English Translation; paragraph 0018)

teaches the formation of a mixture of Gallic acid methyl ester-3-glucoside and the 4-glucoside. It

teaches the preparation of the two individual monoglucosides but not the formation of the

diglycosides as recited in instant formula 3.

3. Applicants Declaration also shows via side-by-side comparison the formation of the

desired product (diglycoside) in high yields when acetic acid and solvent are distilled off from

the system at the rate instantly claimed. The monoglycoside is obtained if acetic acid is not

removed from the system.

The prior art of record is not seen to teach or render obvious the method for preparing the

glycoside of instant formula (3).

Any comments considered necessary by the applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance".

Application/Control Number: 10/518,640 Page 3

Art Unit: 1623

Any inquiry concerning this communication should be directed to Shaojia A. Jiang,

Supervisory Patent Examiner in Art Unit 1623 at 571-272-0627.

/Patrick T. Lewis/

Primary Examiner, Art Unit 1623